

# KTKontroll

## Automated AI checks for programming tests



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ktkontroll.lovable.app

Courses at University of Tartu increasingly **require screen recordings** during programming exams and tests – to ensure that prohibited AI tools are not used. However, **manual review is time-consuming**, especially for larger groups of students.

**KTKontroll automatically analyses** the recordings and highlights moments that require attention, with precise timestamps, so that **teachers only need to check the relevant parts**.

### Workflows

#### For students

- 1 Join a course  
using the code from your teacher
- 2 Record your screen  
while taking the test
- 3 Upload the video  
and add comments, if necessary
- 4 Wait for decision  
and appeal, if you want

#### For teachers

- 1 Create a course  
and share the code with students
- 2 Check videos using AI  
using Gemini 2.5 Flash
- 3 Review flagged moments  
using timestamps and AI comments
- 4 Decide  
either pass or fail

#### Future developments

- 1 Train a custom detection model
- 2 Improve code similarity analysis
- 3 Moodle integration

#### Example of a failed check

AI soovitus **Läbi kukutud**  
Lõpliku otsuse teed sina. Kindlus: 100%

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Tuvastatud rikkumised

- 0:06 Opening a new browser tab with 'claude.ai/now' visible in the URL bar, indicating access to the Claude AI chat interface. **Kõrge**
- 0:07 The Claude AI chat interface is fully loaded and visible, ready for interaction. **Kõrge**

Initial testing accuracy: 97%

In case of overall first place, the person who suggests a better name than KTKontroll will receive a bar of chocolate from me



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Feedback and project name